

FIG. 1

008060" T 2875960

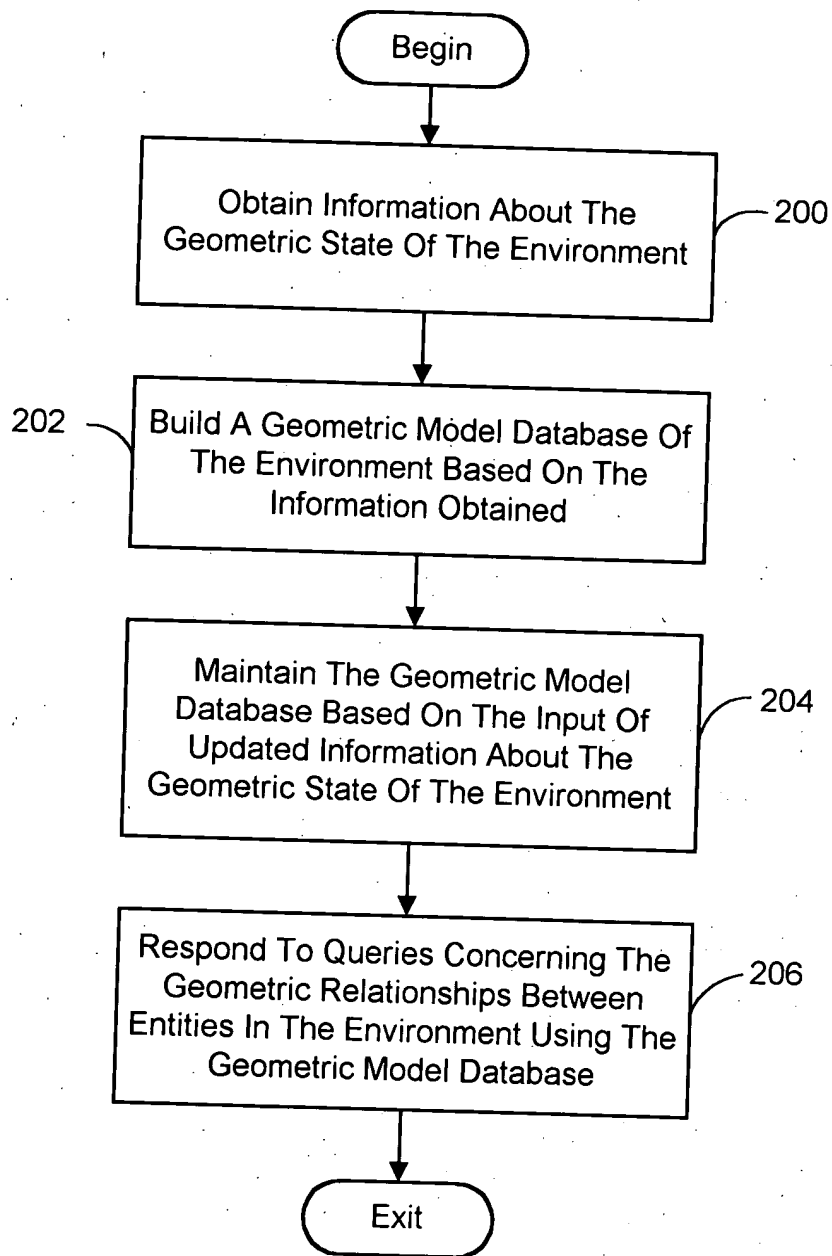


FIG. 2

```
graph TD
    Begin([Begin]) --> Read[Read]
    Read --> Write[Write]
    Write --> Read
    Read --> End([End])
    Write --> End
```

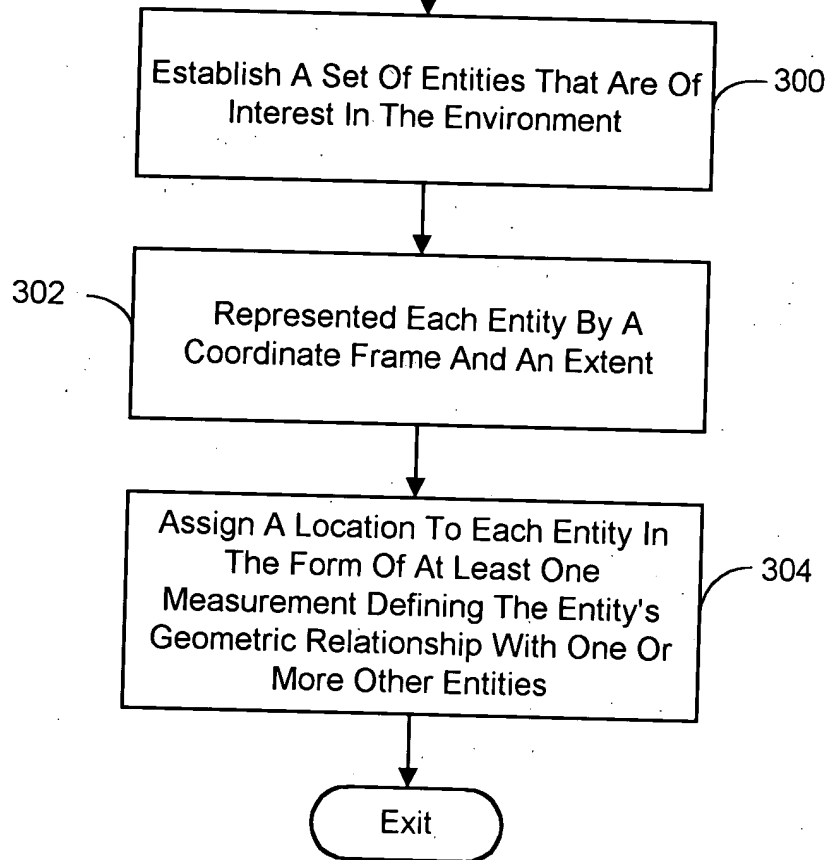


FIG. 3

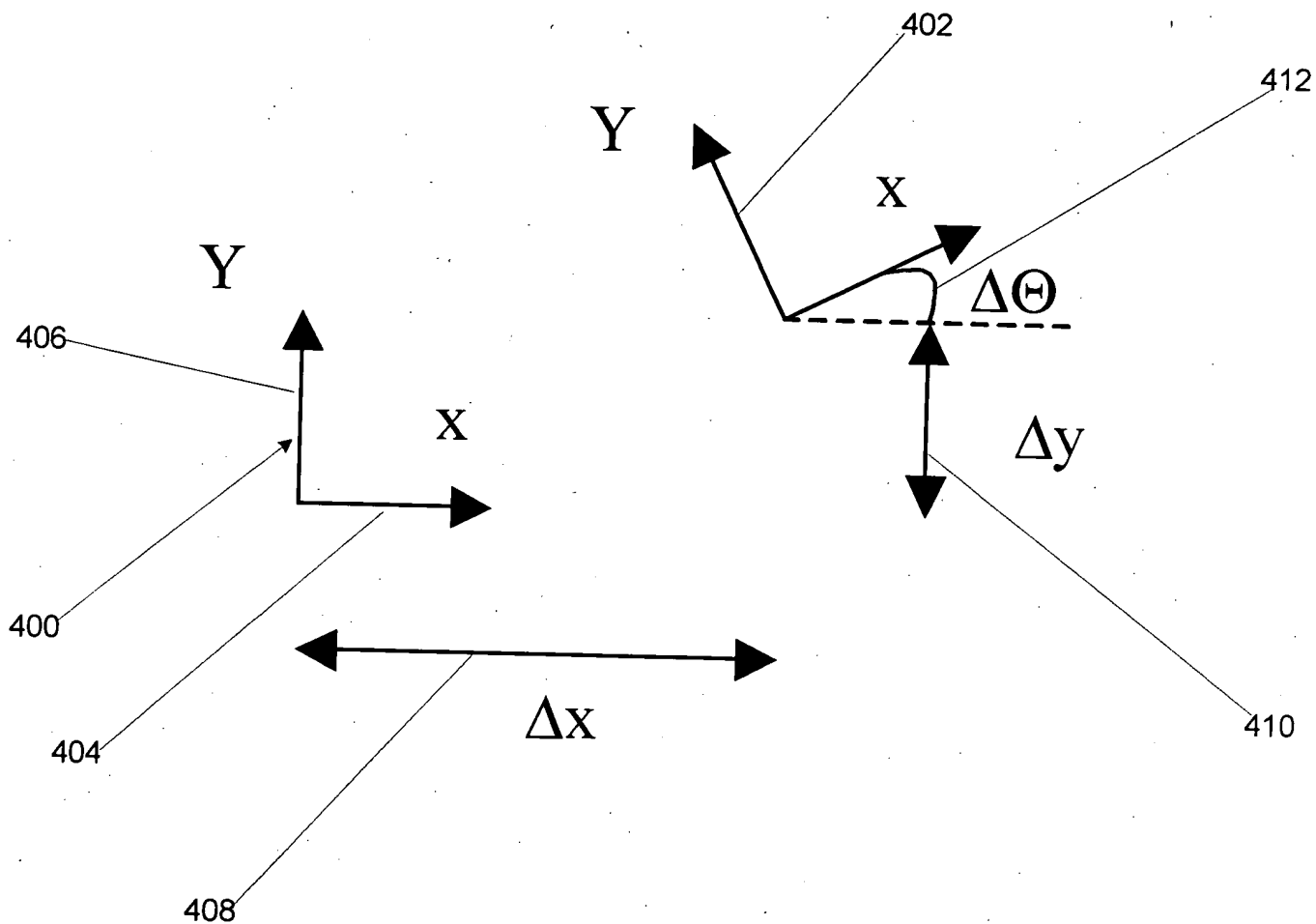


FIG. 4

008060-1-090800

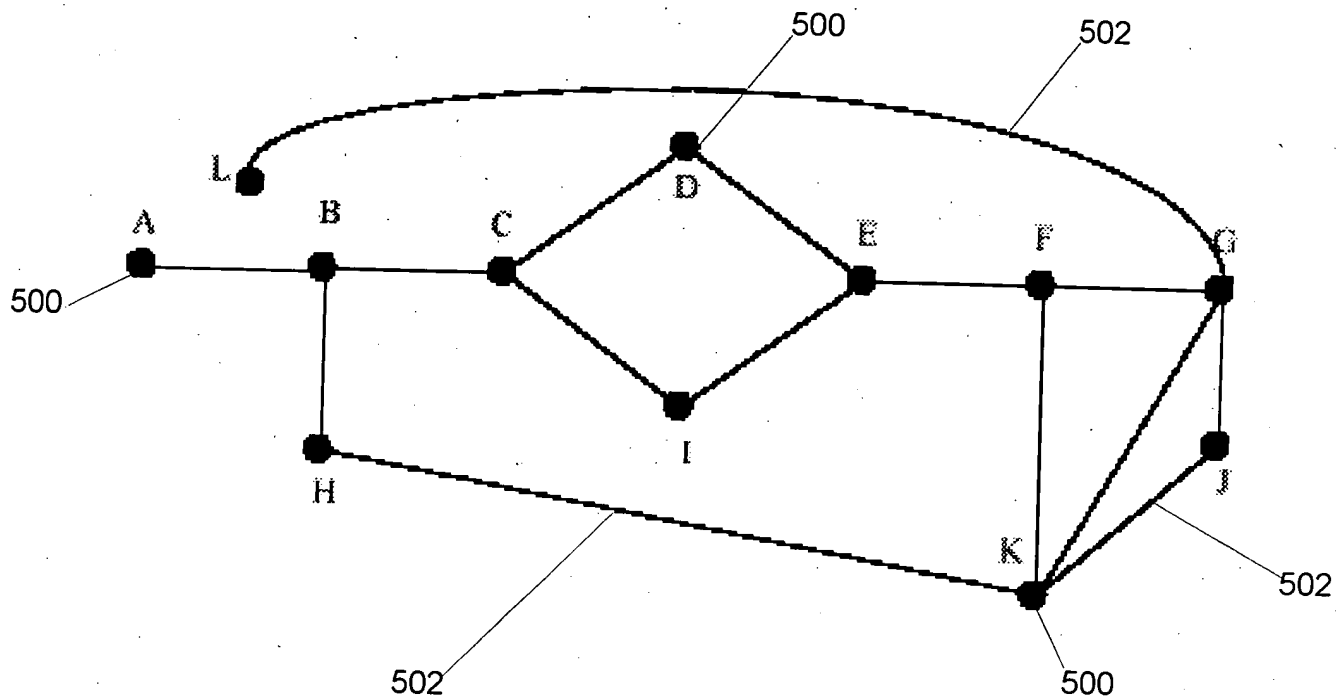


FIG. 5



FIG. 6


```

graph TD
    Begin([Begin]) --> 900[Wait For Queries Concerning A Request To Find An Entity Or Entities Whose Extents Have A Particular Geometric Relationship To A Prescribed Region Or Extent Associated With A Given Entity]
    900 --> 902{Was Such A Query Received ?}
    902 -- No --> 900
    902 -- Yes --> 904[Compute The Relative Geometric Relationship Between The Frame Of The Given Entity And The Frames Of All Other Entities Connected To It By A Chain Of Measurements]
    904 --> 906[Transform The Coordinates Of The Extents Associated With The Other Entities Into The Coordinate Frame Of The Given Entity]
    906 --> 908[Employ A Region Intersection Process To Determine If The Extents Associated With The Other Entities Intersect The Prescribed Region Or Extent Of The Given Entity]
    908 --> 910[Provide The Intersection Information To The Requesting Source]
    910 --> Exit([Exit])
  
```

FIG. 9